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(71) Applicant (for all designated States except US): **SAM-SUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Jeong-Hwan** [KR/KR]; 401-206 Jugong4danji, Maetan1-dong, Paldal-gu, Suwon-si, 442-708 Gyeonggi-do (KR). **LEE, Keun-Woo** [KR/KR]; 110-401 Hyundai town 1danji Apt., Banwol-ri, Taeon-eup, Hwaseong-gun, 445-973 Gyeonggi-do (KR). **PARK, Jong-Dae** [KR/KR]; #474-301 Changcheon-dong, Seodaemun-gu, 120-836 Seoul (KR). **JUNG, Jae-Ho** [KR/KR]; 504-905 Hyundai home town,

Galhyun-maul, #159 Shingal-ri, Giheung-eup, Yongin-si, 449-907 Gyeonggi-do (KR). **LEE, Tae-Jin** [KR/KR]; 211-1607 Sinyeongtong Hyundai Apt., Taeon-eup, Hwaseong-gun, 445-970 Gyeonggi-do (KR). **BANG, Chang-Young** [KR/KR]; 216-902 Sumitvill Apt., 71/1 #497 Gokbanjeong-dong, Gwonseon-gu, Suwon-si, 441-400 Gyeonggi-do (KR).

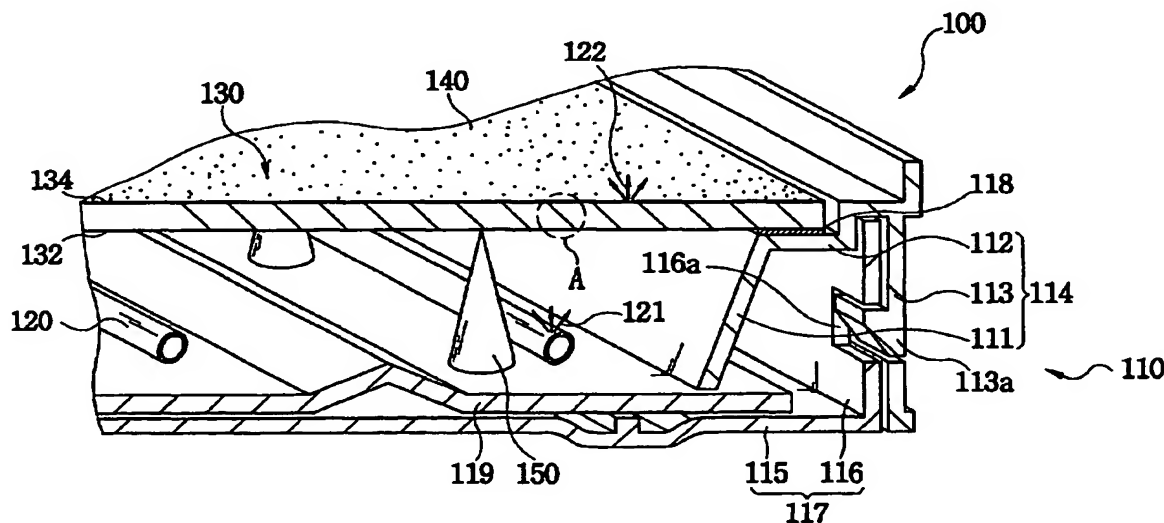
(74) Agent: **PARK, Young-Woo**; 5F., Seil Building, #727-13, Yoksam-dong, Gangnam-gu, Seoul 135-921 (KR).

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[Continued on next page]

(54) Title: BACK LIGHT ASSEMBLY AND LIQUID CRYSTAL DISPLAY DEVICE HAVING THE SAME



(57) Abstract: Disclosed are a back light assembly (100) for preventing discoloration and deformation caused by heat generated from a lamp, and a liquid crystal display device for displaying an enhanced image. The back light assembly (100) includes a receiving container (110), a lamp (120), a glass substrate (130) and a diffuser (140). The receiving container (110) has a receiving space. The lamp (120) for generating the light is disposed in the receiving space. The glass substrate (130) is interposed between the liquid crystal display panel and the lamp (120). The diffuser (140) diffuses the light generated by the lamp so as to unify a luminance distribution of the liquid crystal display panel. The liquid crystal display device includes the back light assembly.



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CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5046826 A (IWAMOTO et al.) 10 September 1991 (10.09.91) <i>fig. 1,2,7,8,15; col. 4, line 58 - col. 6, line 40; col. 6, line 44 - col. 9, line 2; col. 10, lines 1-18.</i>	1,2,4,10,14,16, 17
Y		3, 5- 9,11,13,15,17- 19
Y	US 6111699 A (IWATA et al.) 29 August 2000 (29.08.00) <i>fig. 1-4,14-16; col. 5, line 50 - col. 8, line 67; col. 9, line 18 - col. 10, line 40; col. 13, line 3-34.</i>	3,6-8,17,18
A		1,2,5,11,14
Y	US 2002/0012085 A1 (HONDA et al.) 31 January 2002 (31.01.02) <i>Fig. 1,2 10; [0031],[0032],[0037],[0038], [0041][0042].</i>	5- 8,11,13,17,19
A		1-3,14

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Authorized officer

GRONAU E.

Telephone No. 1/53424/320

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 5394255 A (YOKOTA et al.) 28 February 1995 (28.02.95) <i>col. 4, line 55 - col. 6, line 68; col. 7, line 45 - col. 8, line 20; col. 9, line 21-36; fig. 11,18,27.</i> -----	3,9,15 1-3,7,8,10, 14,16,18

INTERNATIONAL SEARCH REPORT

Information on patent family members

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